

ABSTRACT OF THE DISCLOSURE

5 An HM reservoir for storing hydrogen includes a housing
and a plurality of storage units. The storage units are
stacked in the interior of the housing. Each storage unit
includes a pair of plate-like molded bodies and a flat heat
exchanger. The plate-like molded bodies are formed by
compressing powder of hydrogen storage material. The heat
exchanger is provided between the molded bodies. Each molded
10 body includes a first side and a second side, which is
opposite to the first side. The first side contacts the heat
exchanger. A plurality of flat hydrogen passages are formed
in the interior of the housing to face the second sides of
the associated molded bodies. The structure of the HM
5 reservoir is thus simple. Further, the molded bodies of the
HM reservoir smoothly absorb hydrogen and smoothly release
the same.